

NE
Page 36, line 6, delete "element" and replace it with
--UHV compatible lead through--.

Page 36, line 12, delete "element" and replace it with
--UHV compatible lead through--.

IN THE ABSTRACT

Please delete the Abstract in its entirety, and replace it
with the following:

00750005-011001
There is provided an ultra high vacuum (UHV) compatible lead-
through comprises (a) a housing, (b) a first space, within the
housing, connected via a first port to a space outside the UHV-
compatible lead through, (c) a second space, within the housing,
connected via a second port to a closed system containing a
polarized gas, (d) a movable component, separating the first
space from the second space via an intermediate space, and (e)
seals for limiting a penetration of volatile media from the first
space into the second space. The lead through is particularly
suited for use in the production of polarized gases, such as ³He.

IN THE CLAIMS

Please amend the claims as follows:

Cancel claims 1 through 52.

Add new claims 53 through 104 as follows: